
Overload Monitor

The Overload Monitor program is resident in the system and is loaded if:

- excessive input messages from a particular PE card have been detected, or
- the system input buffer overflows for a predetermined period of time (1.5 to 2 min).

In either case, an attempt is made to determine whether the overload is due to a hardware fault; if so, the faulty device is disabled and an OVD message is output.

OVD messages

OVD0001 I s c (u) A 500/2500 card or unit has been disabled.

OVD0002 I s c (u) An SL-1 line card or unit has been disabled.

OVD0003 I s c (u) A trunk card or unit has been disabled.

OVD0004 I s c (u) A Digital set line card or unit has been disabled.

Unterminated or unequipped units on QPC578 or NT8D02AA line cards may produce erroneous OVD004 messages.

Action: To avoid this condition, configure and disable these units.

OVD0005 I s c (u) A Digitone Receiver card or unit has been disabled.

OVD0008 loop Overload detected from Local Carrier Buffer (LCB) card on specified loop. The carrier status monitoring function on the LCB has been disabled.

OVD0009 I s c (u) An AIOD trunk card or unit has been disabled.

OVD0010 l s c (u) An RAN trunk card or unit has been disabled.

OVD0013 l s c (u) A MFC Sender/Receiver card or unit (QPC327 or NT5K21AA) has been disabled.

OVD0021 loop Excessive input has been detected from specified loop. The loop was disabled. A minor alarm indication is given to all customers served by the loop. This message indicates a probable fault in:

1. Network card for the loop
2. Peripheral Buffer or Controller for the loop
3. interconnecting cables
4. any PE card

OVD0022 loop A large number of invalid input messages were received from more than one PE shelf on the loop. The loop has been disabled. Probable fault on:

1. Network card for the loop
2. Peripheral Buffer or Controller for the loop
3. PE cablingany PE card

OVD0023 l s A large number of invalid input messages was received from shelf s. Attempts to disable the offending PE card(s) failed; the loop has been disabled. Probable fault on:

1. Peripheral Buffer or Controller on the shelf
2. any PE card on indicated shelf
3. Network card for the loop
4. PE cabling

OVD0024 l s Shelf s has been disabled due to overload. Probable fault in:

1. Peripheral Buffer or Controller on the shelf
2. any PE card on that shelf

OVD0031 ps Excessive or invalid input has been detected from Peripheral Signaling card. The card was disabled. A minor alarm indication is given to all customers. This message indicates a probable fault in:

1. PS card
2. one of the network card associated with the PS
3. conference card or its network cable

OVD0032 loop Too many messages from loop DTI2 loop. Loop is disabled.

OVD0033 loop ch Channel ch of a DTI loop is disabled due to overload. Probable fault:

1. DTI card
2. carrier
3. cables